

Fig. 1

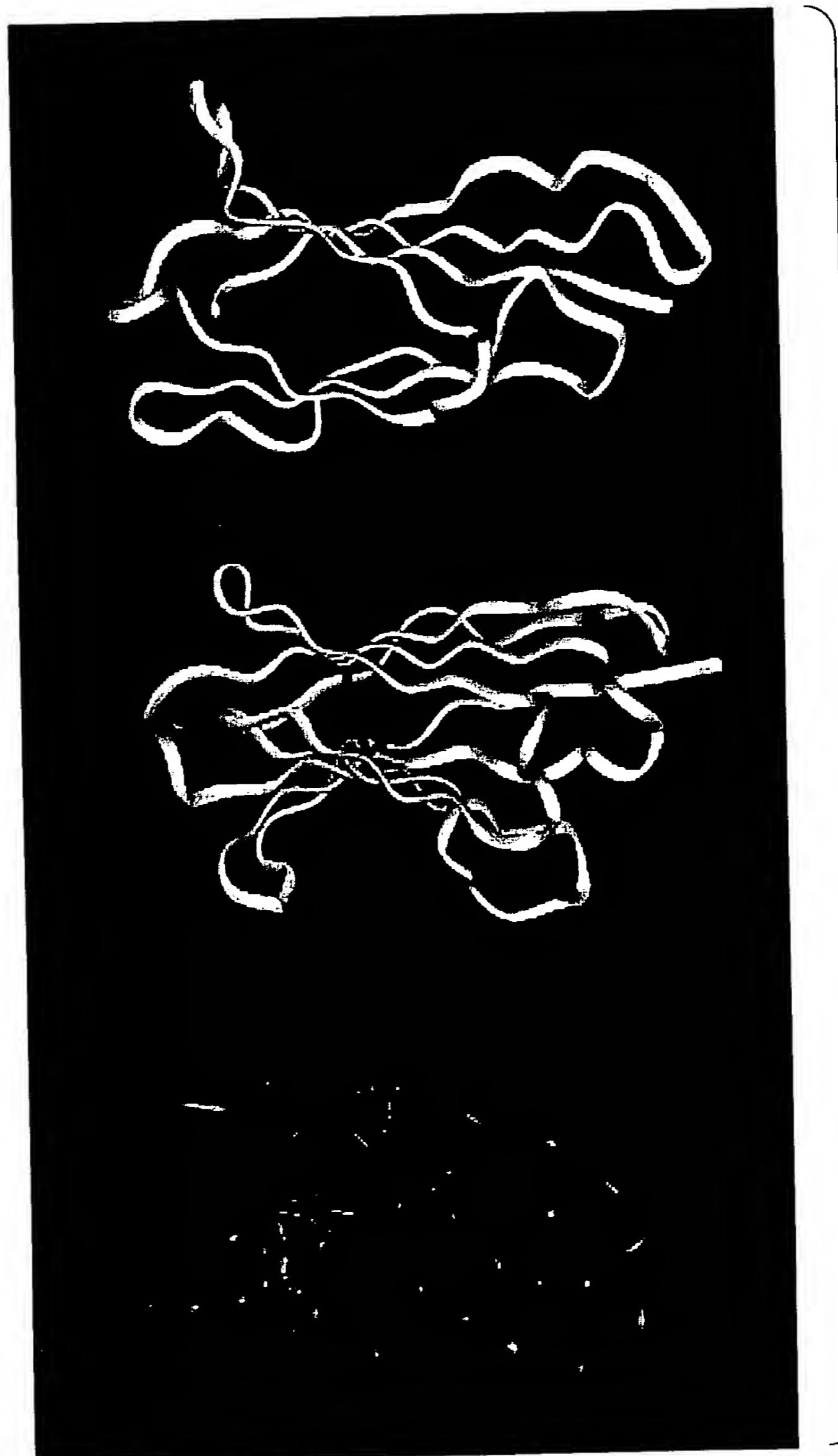


Fig. 2

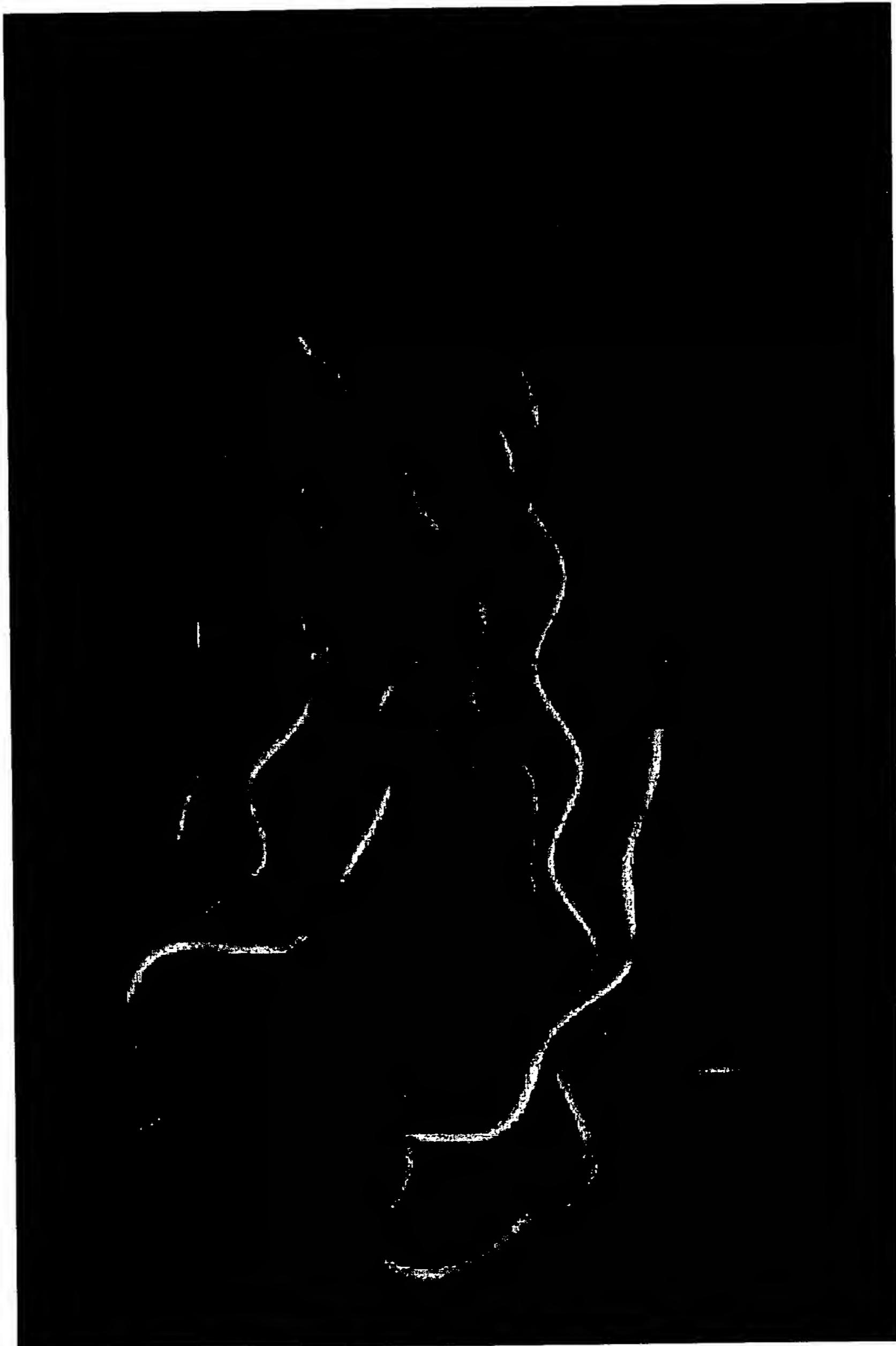


Fig. 3

| | | | | | | | | | | | | | | | | | | | | |
|----|-----|-------------|-------------|-------------|------------|-------------|------------|------------|------------|------------|-----------|----|----|----|----|----|----|----|----|------|
| | 1 | 9 | 10 | 19 | 20 | 29 | 30 | 37 | 38 | 47 | 48 | 57 | 58 | 67 | 68 | 77 | 78 | 87 | 88 | 94 |
| Hs | FND | VSDVPRD-LE | VAAATPTSLI | IswDAPAVTV | RYYRITYG-- | ETGGGNSPVQE | FTVPGSKSTA | TISGLKPGVD | YTITTYAVTG | RGDSPASSKP | ISINYRT | | | | | | | | | |
| Bt | FN | VSDVPRD-LE | VIAATPTSLI | IswDAPAVTV | RYYRITYG-- | ETGGSSPVQE | FTVPGSKSTA | TISGLKPGVD | YTITTYAVTG | RGDSPASSKP | VSINYRT | | | | | | | | | |
| Rn | FN | VSDVPRD-LE | VIASPTSLI | IswEPAVSV | RYYRITYG-- | ETGGNSPVQE | FTVPGSKSTA | TINNIKPGAD | YTITLYAVTG | RGDSPASSKP | VSINYQT | | | | | | | | | |
| Mm | FN | VSDIPRD-LE | VIASPTSLI | IswEPAVSV | RYYRITYG-- | ETGGNSPVQE | FTVPGSKSTA | TINNIKPGAD | YTITLYAVTG | RGDSPASSKP | VSINYKT | | | | | | | | | |
| OC | FN | VSDVPRD-LE | VIASPTSLI | IswEXPATV | RYYRITYG-- | ETPPN-- | | | | | | | | | | | | | | 64 |
| Gg | FN | VSDVPRD-LE | VNPPTSLE | IswDAPAVTV | RYYRITYG-- | ETGGSSPVQE | FTVPGTMSRA | TITGLKPGVD | YTITTYAVTG | RGDSPASSKP | VTVTYKT | | | | | | | | | |
| X1 | FN | VSDVPTD-LE | VTSSSPNTLT | IswEPAVSV | RYYRITYS-- | QTGGHGPKE | FTVPGTSNTA | TIRGLNPGVS | YTITTYAVTG | RGDSPASSKP | LTIHKI | | | | | | | | | |
| Cf | FN | AIDAPSN-Lr | FLATTPnSLL | VSWQppRARI | TGYIIKY-- | kPGSPPREVV | prprGVTeA | TITGLEPGTE | YTIQVIALKn | NQKSeplIGr | KKTdEL- | | | | | | | | | |
| Ec | FN | AIDAPSn-Lh | FLATTPnSLL | IswQppRARI | TGYIIKY-- | kPGSPPREVV | prphPGVTeA | TITGLEPGTE | YTIQVIAIKh | NQKSeplIGr | RKTdEp- | | | | | | | | | |
| Hs | TC | VS-PPKD-Lv | VTeVTeetVN | LAWDn-eMrV | TeYLVYVTP- | -THEGGLEMQ | FrVPGDQTST | IIQeLepGVE | YFIRVFAILE | NKKSiPVSAR | V----- | | | | | | | | | 686 |
| Ss | TP | VS-PPKD-Li | VTeVTeetVN | LAWDn-eMrV | TeYLVYVTP- | -THEDGLEMQ | FrVPGDQTST | TIRElePGVE | YFIRVFAILE | NKKSiPVSAR | V----- | | | | | | | | | 686 |
| Mm | TX | MidGPQD-Lr | WAVPTTL | LSWlrPQAEv | DrFVSYV-- | --SAGNQRVR | LeVPPEADT | QLtdLMPGVE | YVVTVAERG | HAVSYPASIR | ANTG----- | | | | | | | | | 889 |
| Hs | CAP | T1pvPvvSLn | IydvGPTTMH | VQWQP-VGGA | TGYILSYKPV | KDTTEPTPK | VRLGPTVNAM | QltDlVPNTE | YAVTVQAVLh | dLTSeptVr | e----- | | | | | | | | | 1551 |
| OC | C12 | T1pvPvvSLN | IydvGPTTMH | VQWQP-VGGA | TGYILSYKPV | KDTTEPTPK | QdVklRdVTH | ----- | ----- | ----- | ----- | | | | | | | | | 322 |
| Gg | C14 | LalpmasDLk | LydvhshSSMR | AKwng-VAGA | TGYMILYAPL | TEGLAADEKE | IkgIeasteL | ELDGLLPNTE | YTVTVYAMF- | ----- | ----- | | | | | | | | | 508 |
| Hs | U1 | LalpmasSDLl | LydvtensMR | vrkwda-vPGA | SGYLILYAPL | TEGLAGDEKE | MkIGETHTdi | ELSGLLPNT | YTVTVYAMFG | eeAsDPVTGq | e----- | | | | | | | | | 321 |

var.

| | | | | | | | | | | | | | | | | | | | |
|-------|---|----------|---|----|----------|---|----------|----------|----------|---|---|--|--|--|--|--|--|--|--|
| cons. | P | <u>L</u> | V | SL | <u>W</u> | V | <u>Y</u> | <u>I</u> | <u>Y</u> | I | L | | | | | | | | |
| | | M | I | L | M | A | F | V | I | | F | | | | | | | | |

CAP Collagen alpha precursor
C12 Collagen type 12
FND Fibronectin type III domain
FN Fibronectin
TP Tenascin precursor
TC Tenascin-C
U1 Undulin 1

Bt Bovis taurus cow
 Cf Canis familiaris dog
 Ec Equus caballus horse
 Ss Sus scrofa pig
 Hs Homo sapiens human
 Oc Oryctolagus cuniculus rabbit
 X1 Xenopus laevis African clawed frog

BOLD identical to Hs FND

lower case non-conservative substitution
 (charge reversal, change between hydrophobic
 and charged, addition or removal of P)
 position of non-conservative substitutions

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Fig. 4

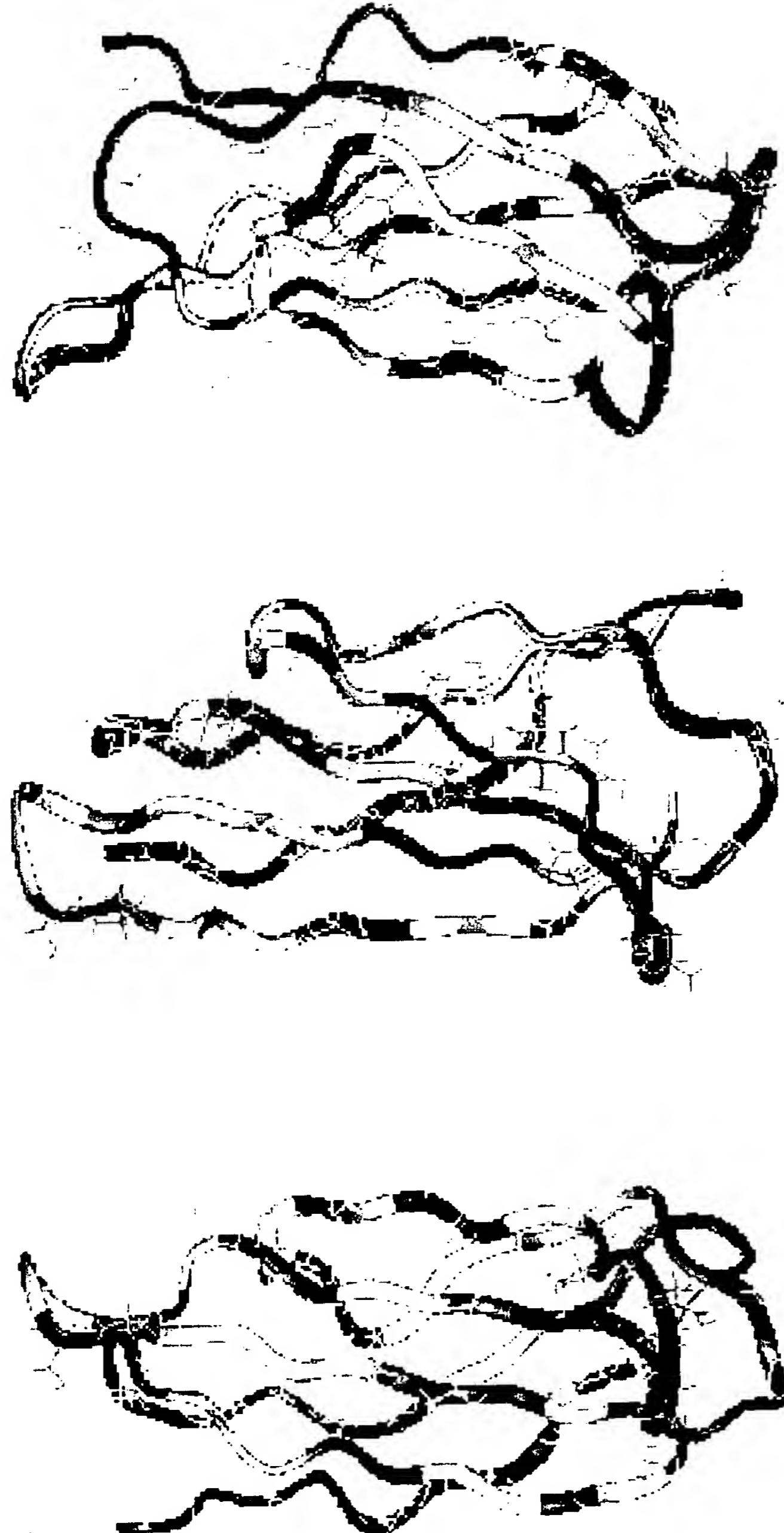


Fig. 5

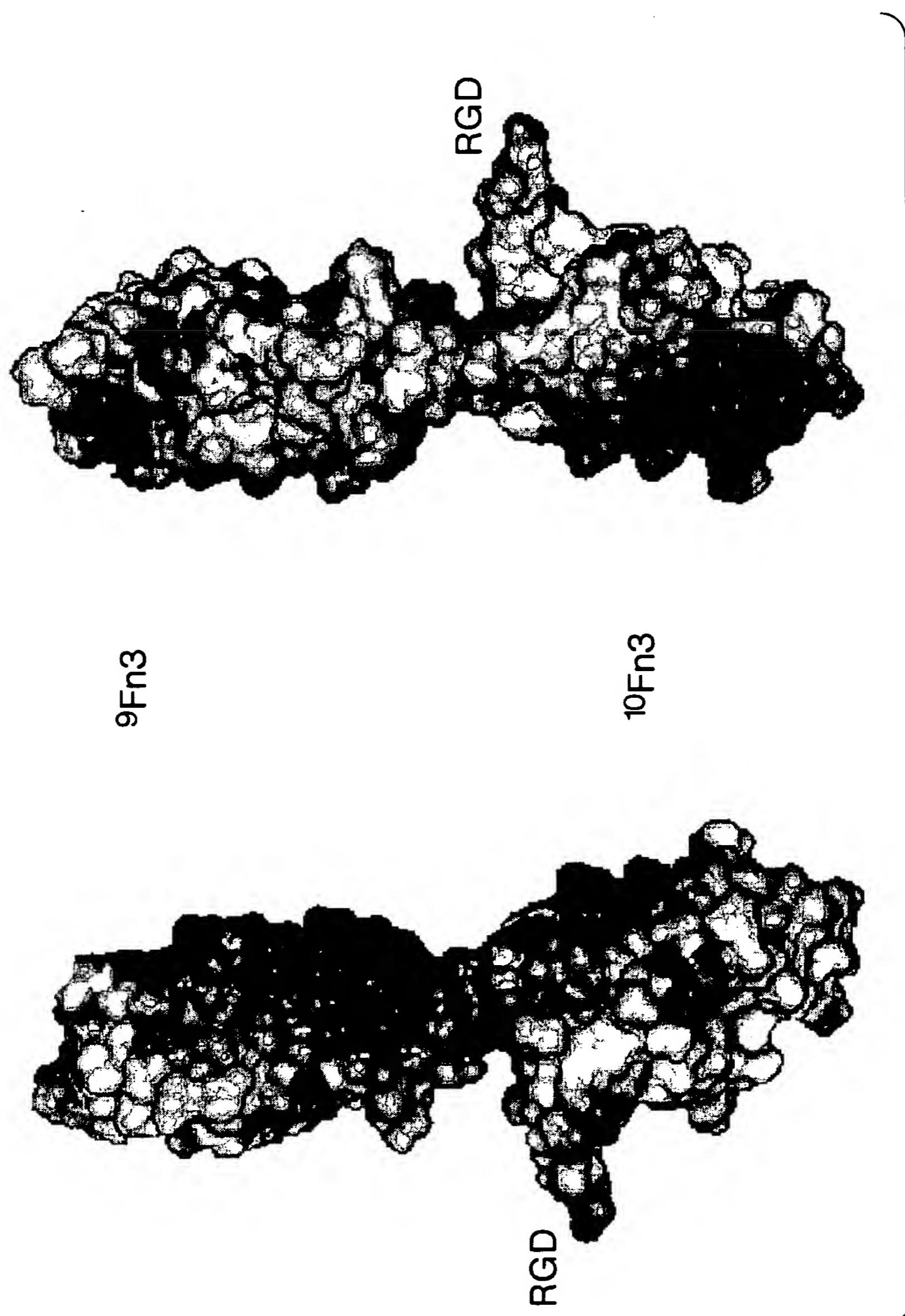


Fig. 6

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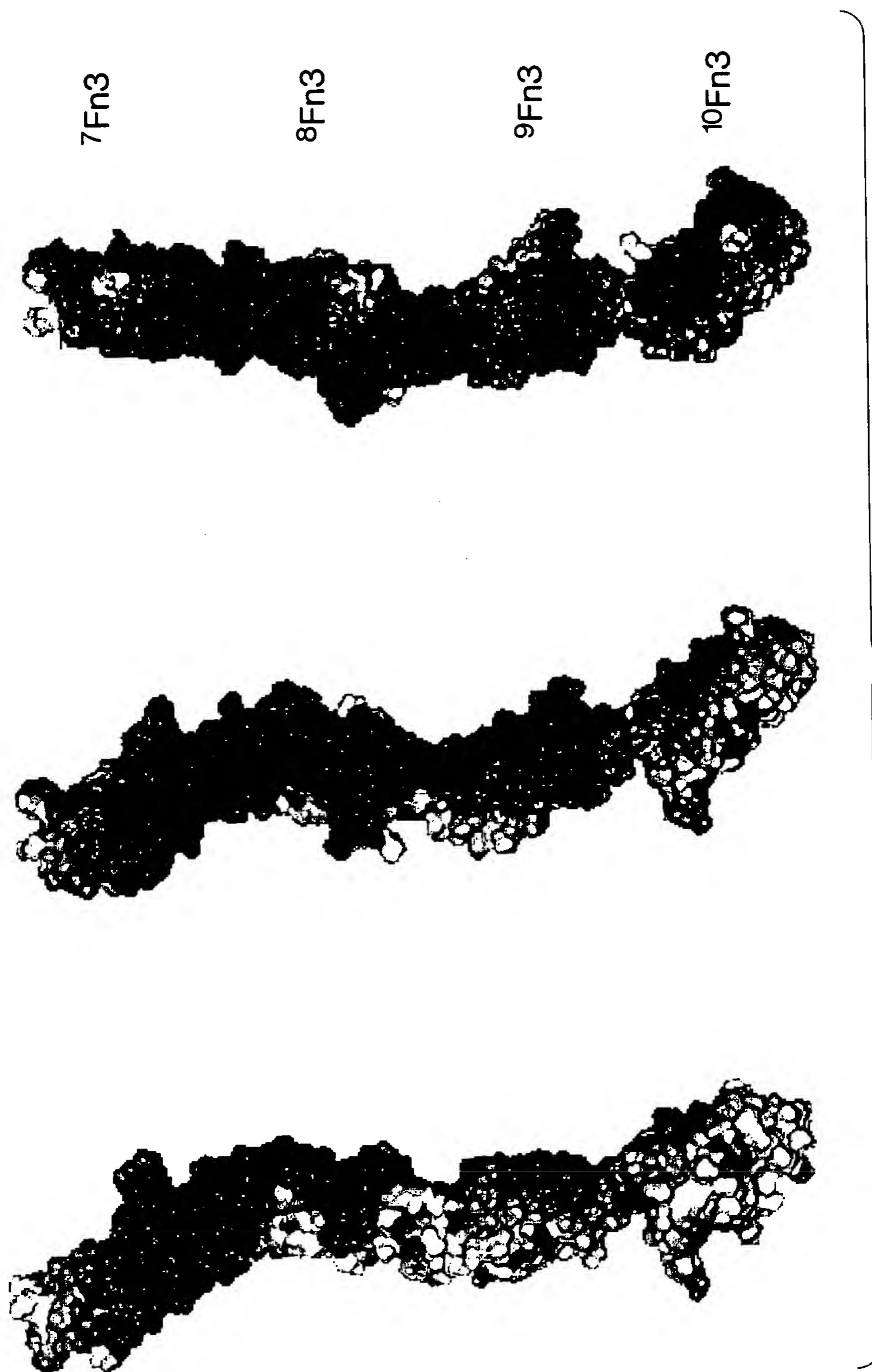


Fig. 7

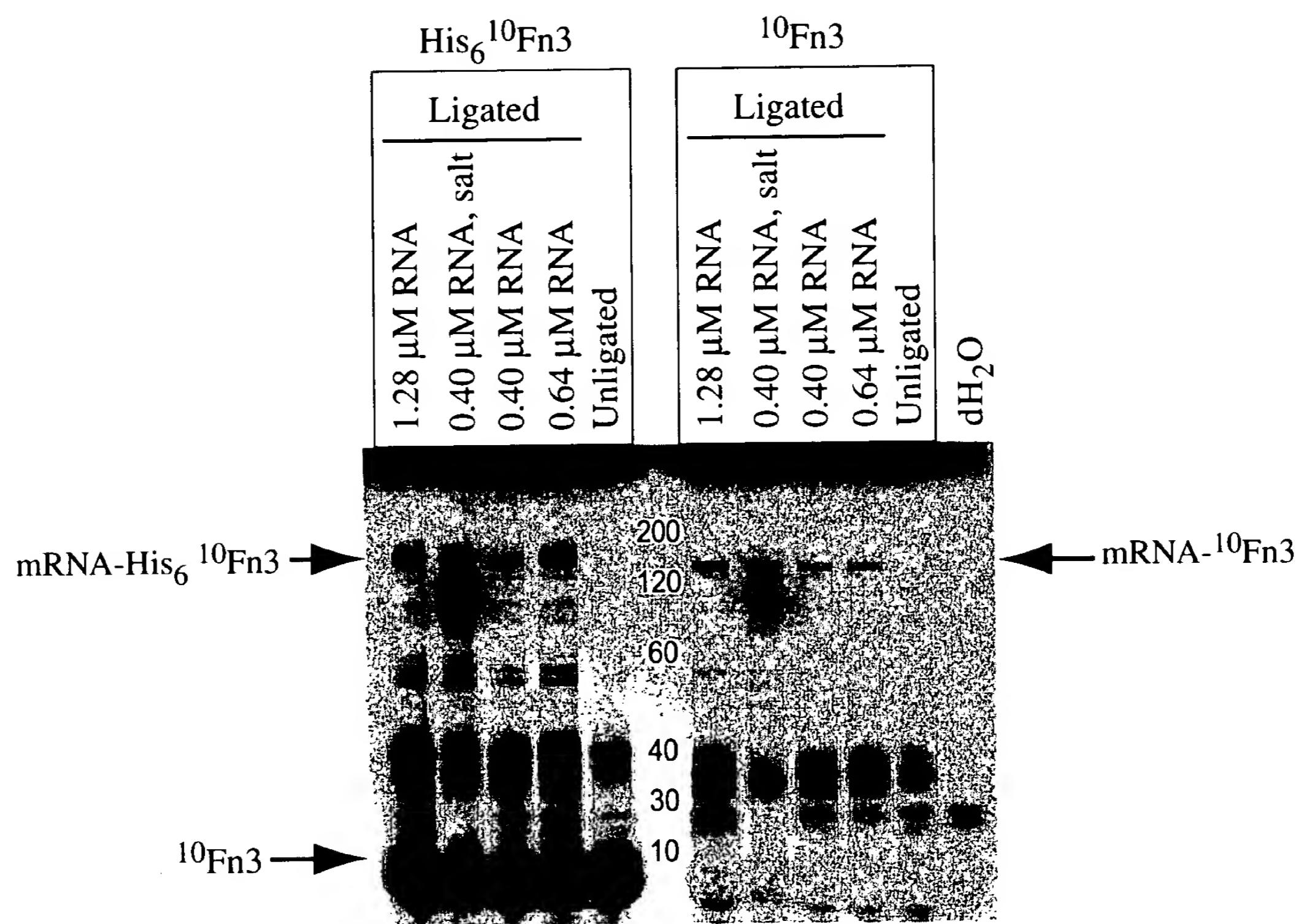


Fig. 8

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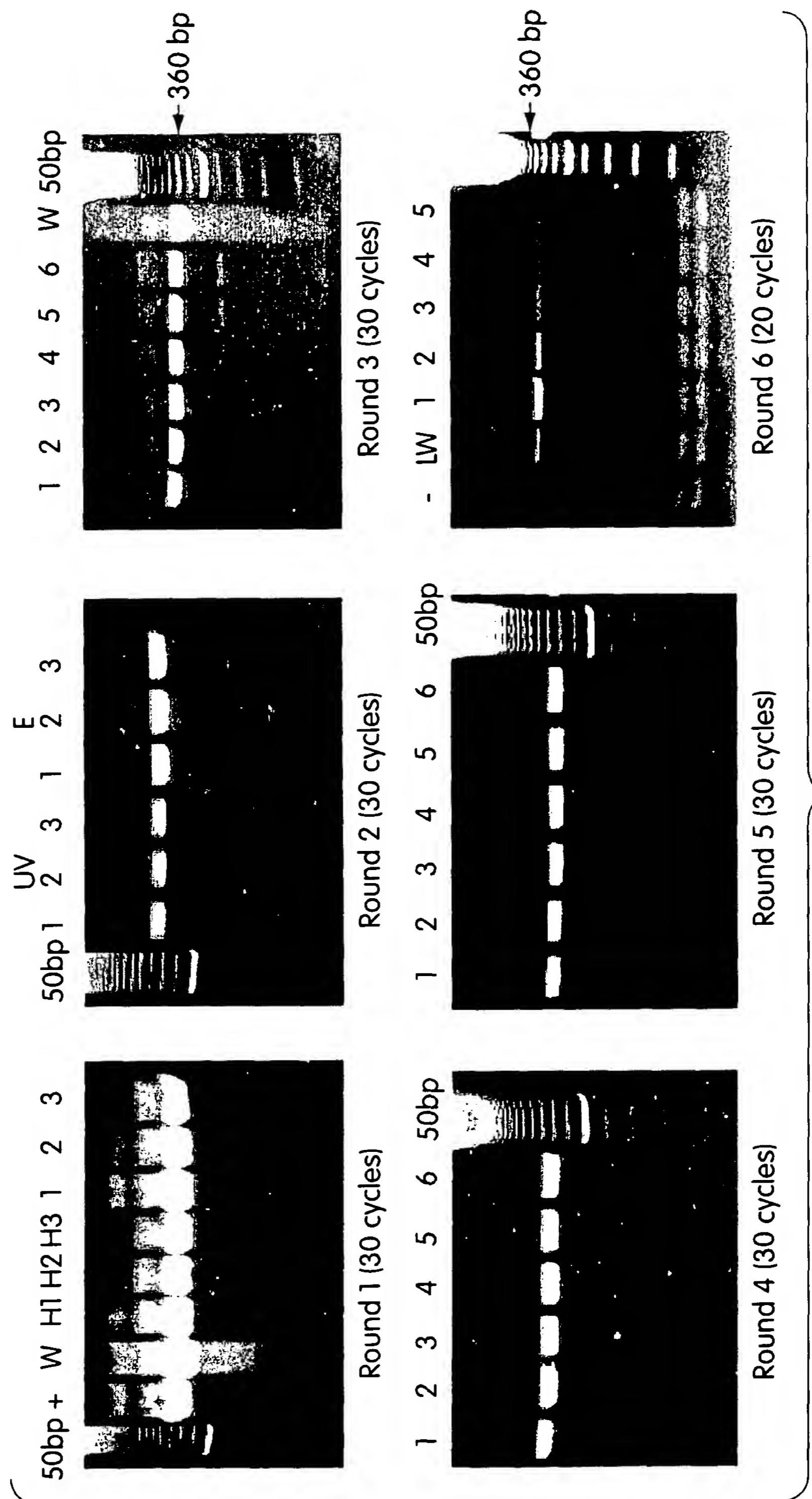


Fig. 9

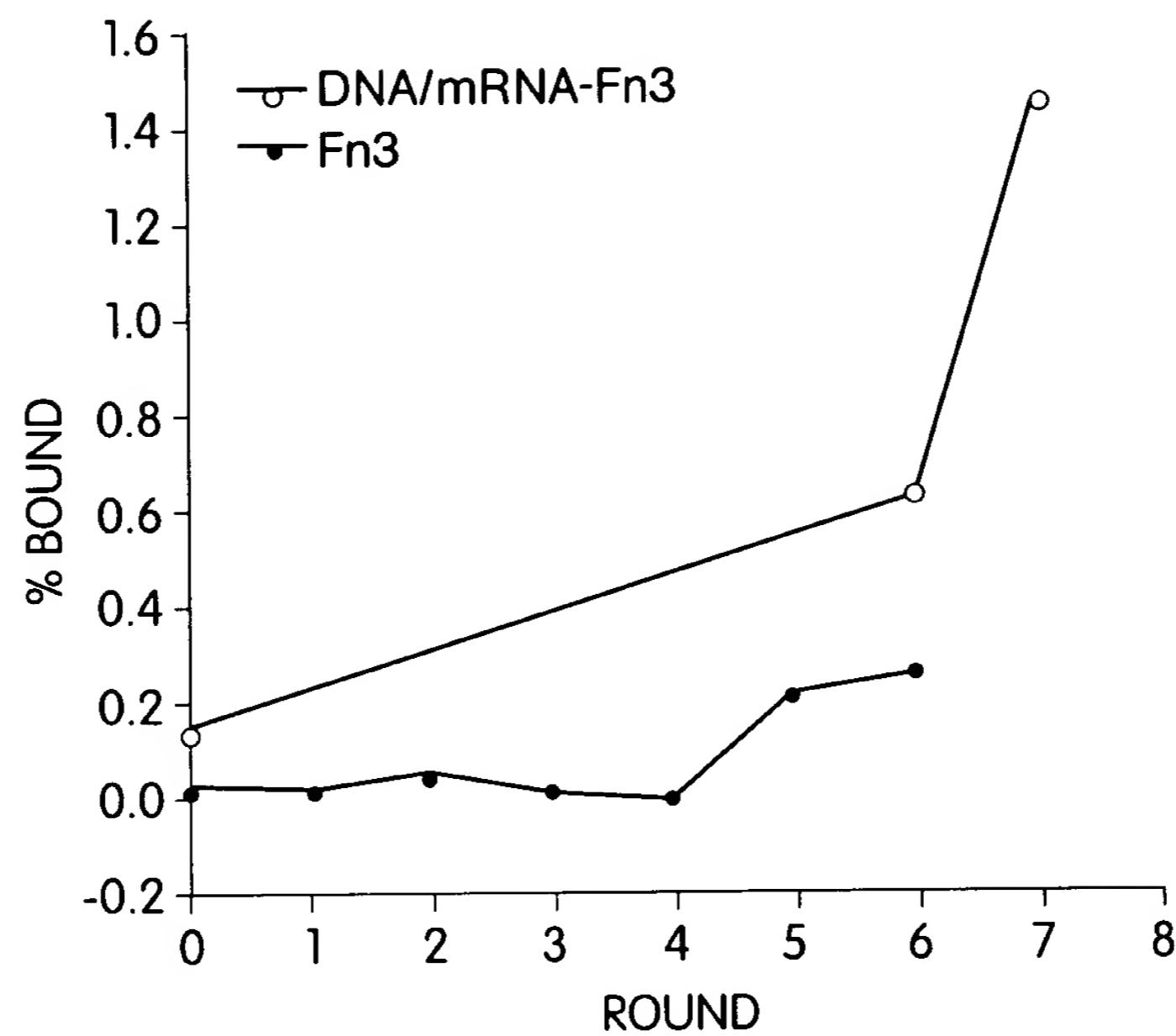


Fig. 10

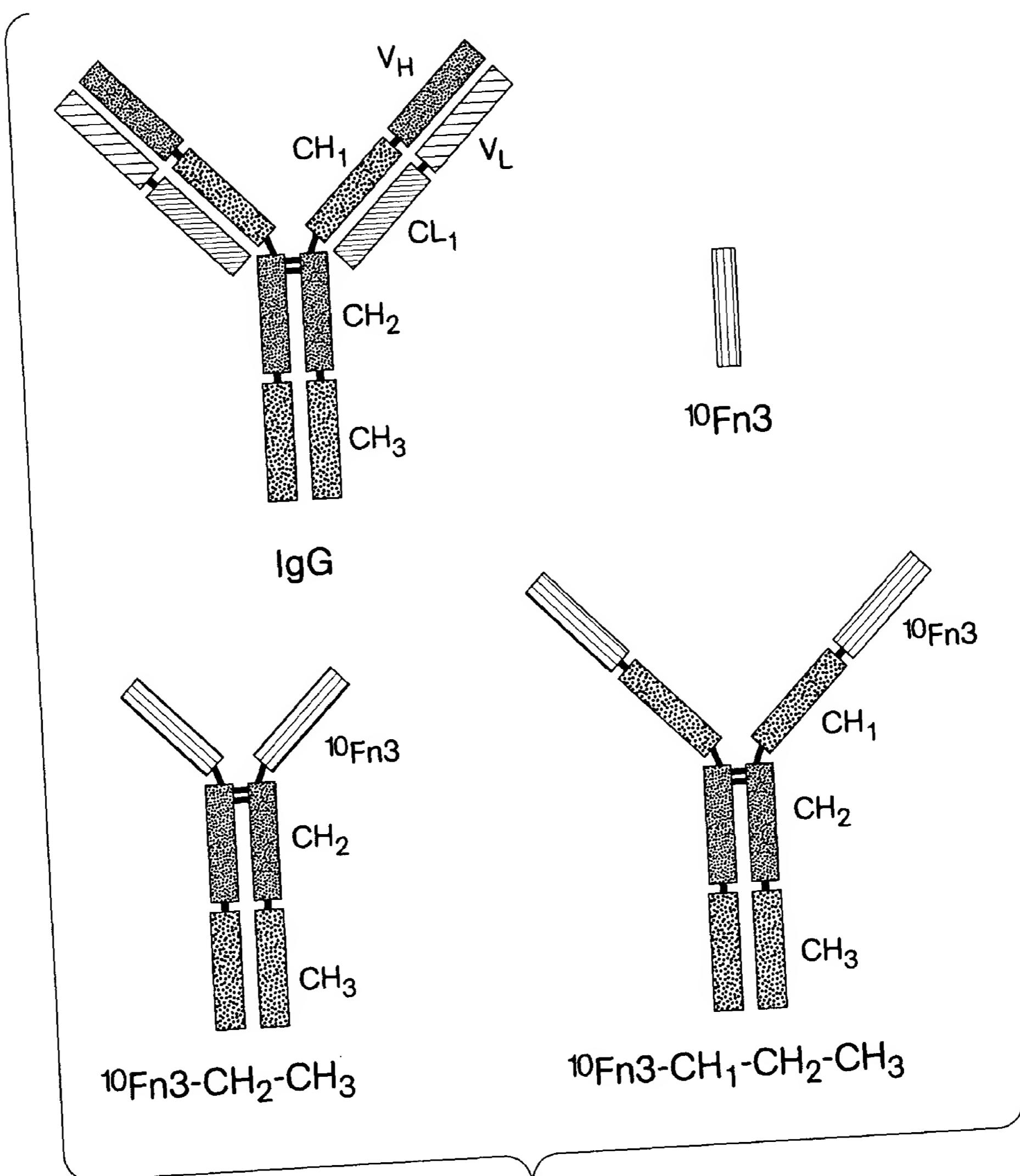


Fig. 11

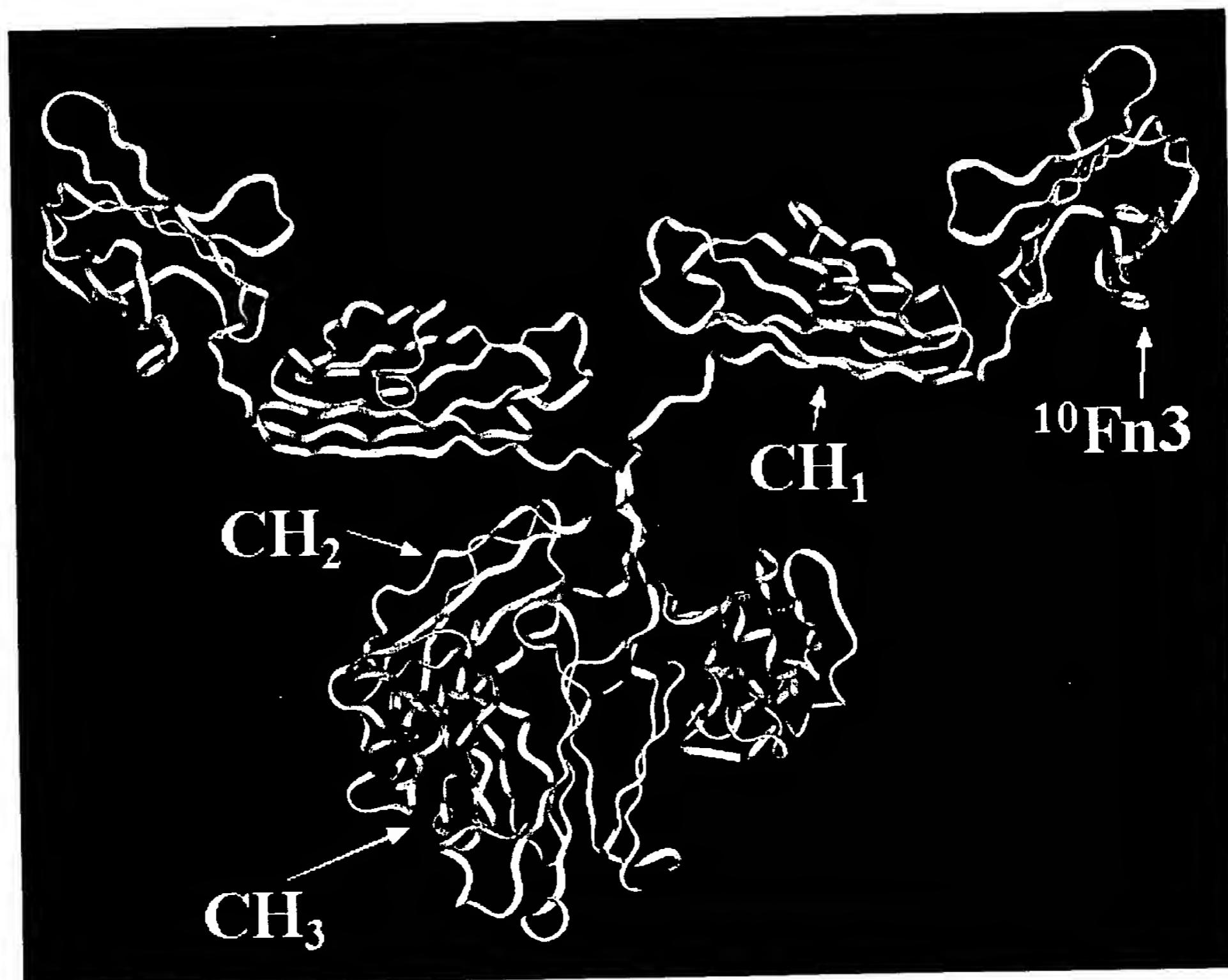
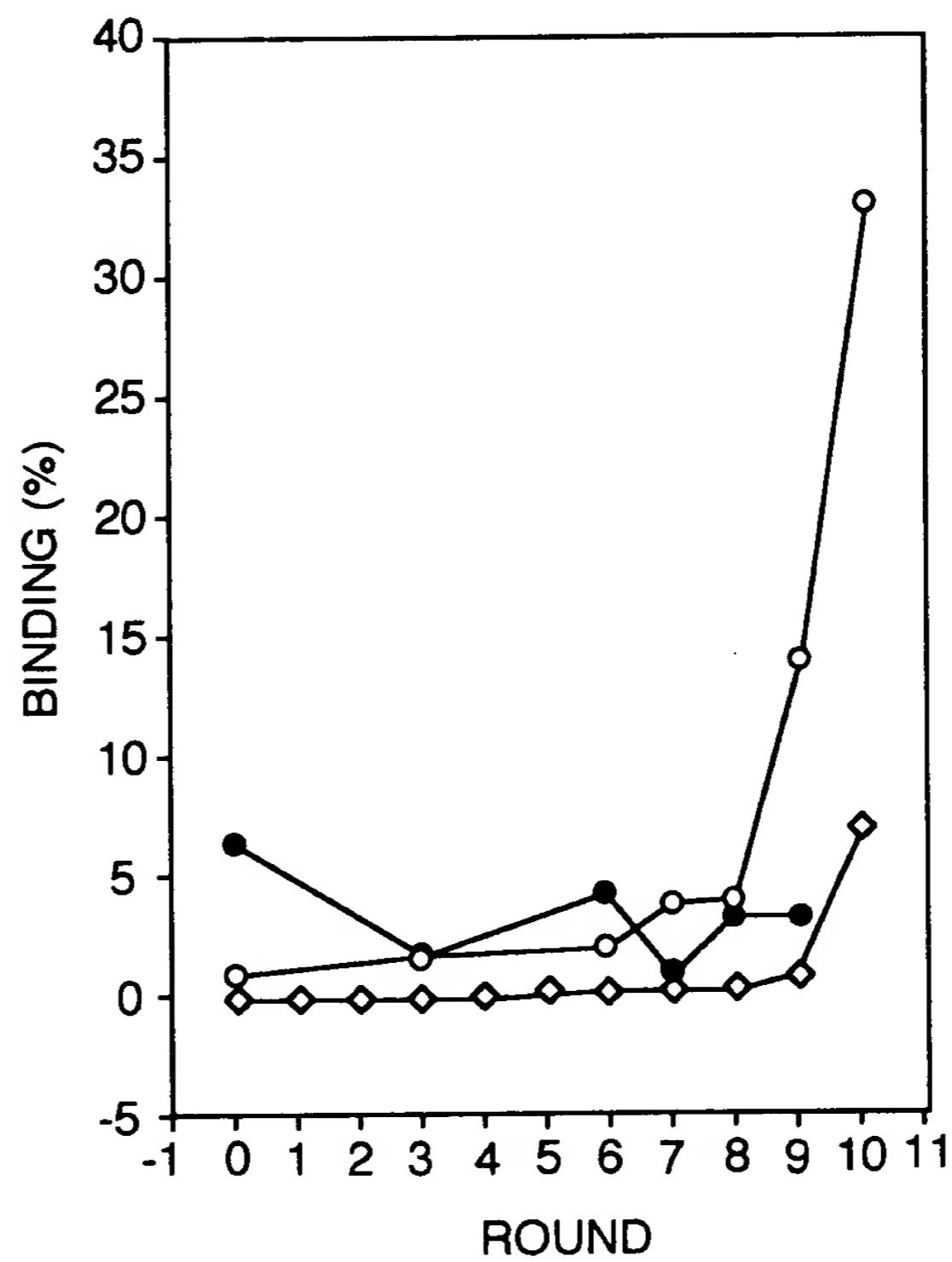


Fig. 12

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FIG. 13



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FIG. 14

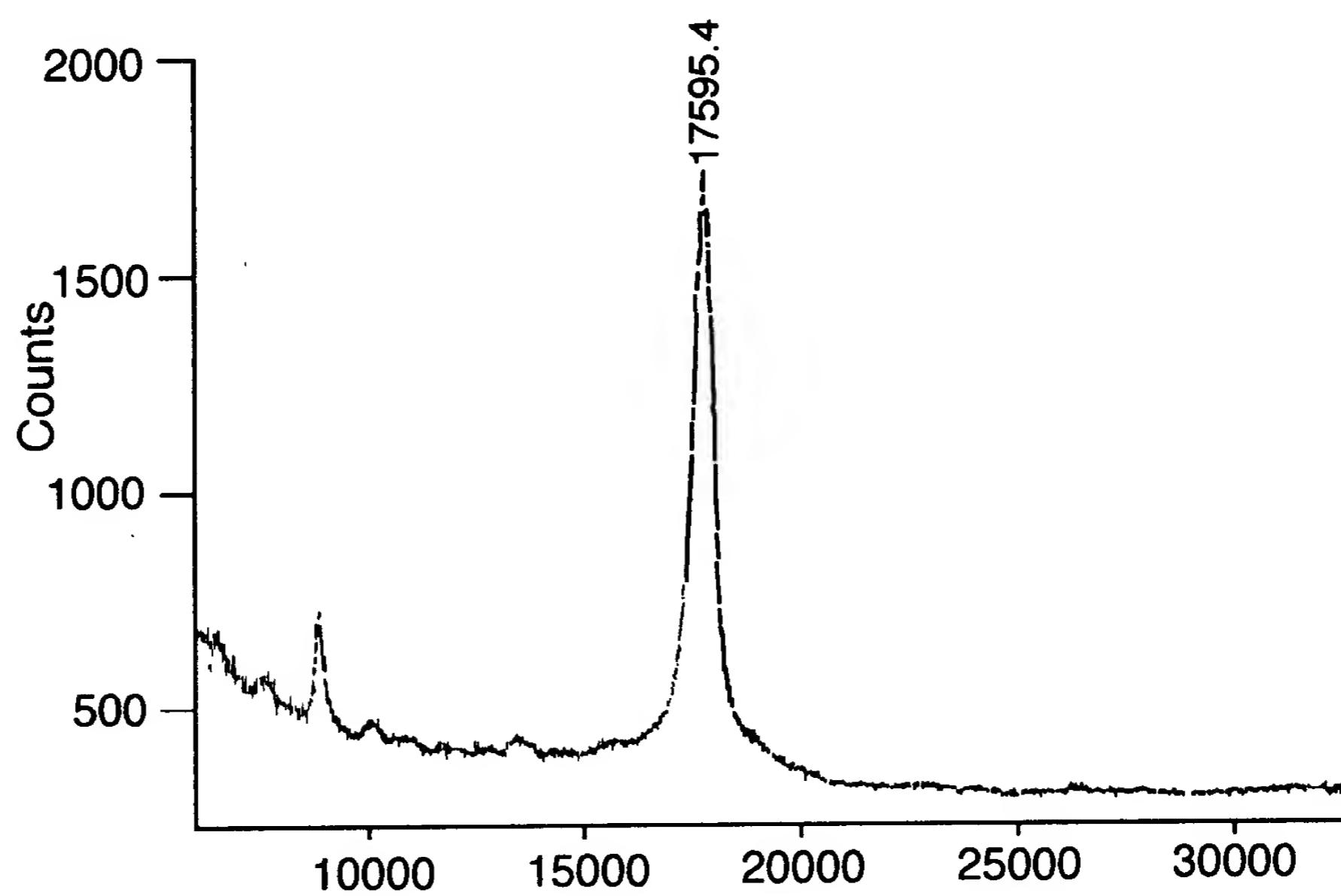


FIG. 15

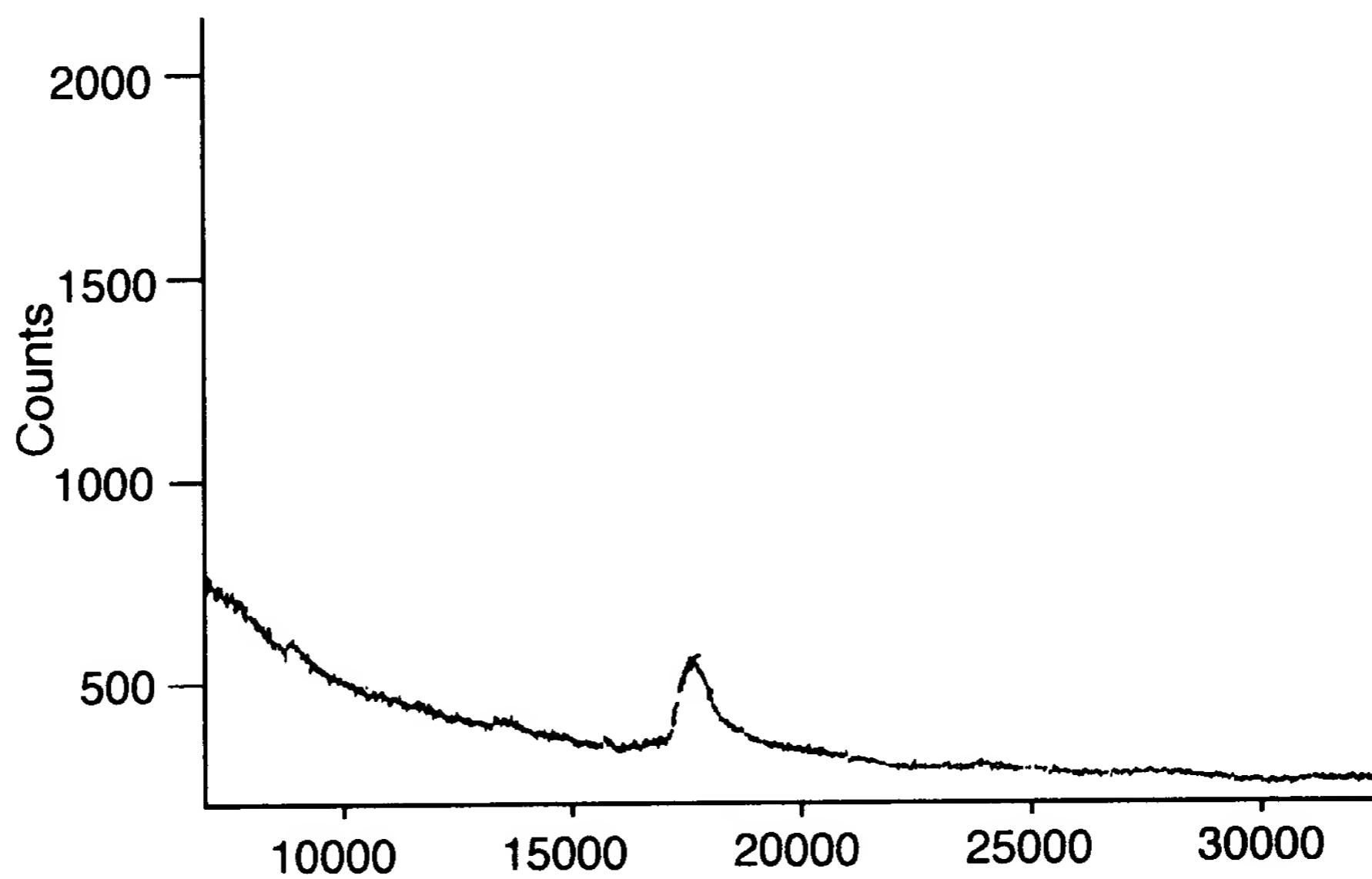


FIG. 16

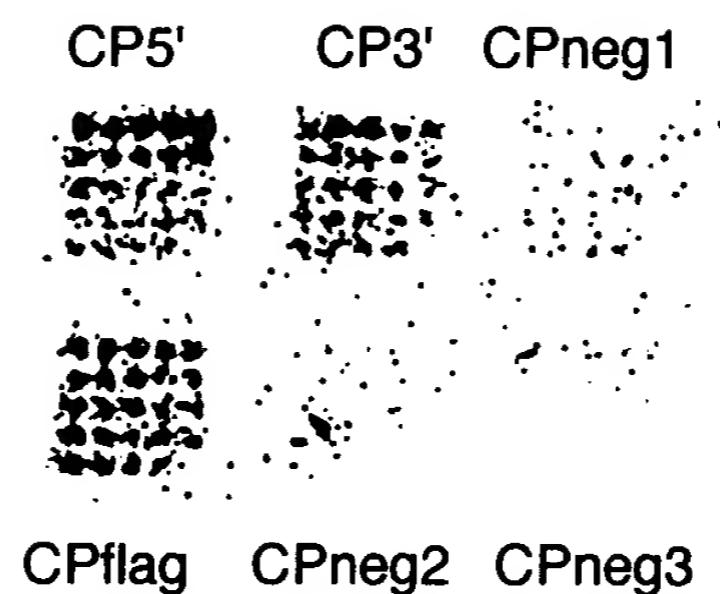


FIG. 17

